

| Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definiti | Error Initi |
|------|-----|------|--|------------------------------------|-------------------|----------|----------------|-------------|
| 1 | BRS | L1 | 642 thrombopoietin | USPAT; EPO; JPO; DERWENT | 2002/12/2 4 11:39 | | 0 | 0 |
| 2 | BRS | L2 | 635 demyelination | USPAT; EPO; JPO; DERWENT | 2002/12/2 4 11:39 | | 0 | 0 |
| 3 | BRS | L3 | 0 thyroid adj regulatory adj agent | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:40 | | 0 | 0 |
| 4 | BRS | L4 | 1488 thyroid same (regulat\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:42 | | 0 | 0 |
| 5 | BRS | L5 | 2831 thyroid adj hormone | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:43 | | 0 | 0 |
| 6 | BRS | L6 | 348 levothyroxine or liothyronine or thyglobulin or (dessicated adj thyroid) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:45 | | 0 | 0 |
| 7 | BRS | L7 | 3903 platelet-derived adj growth adj factor | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:45 | | 0 | 0 |
| 8 | BRS | L8 | 17 nerve adj axon adj myelin | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:46 | | 0 | 0 |
| 9 | BRS | L9 | 30 1 same (4 or 5 or 6) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:53 | | 0 | 0 |
| 10 | BRS | L11 | 48189 platelet | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:48 | | 0 | 0 |
| 11 | BRS | L12 | 12150 platelet same produc\$4 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:49 | | 0 | 0 |
| 12 | BRS | L13 | 0 9 same 12 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:49 | | 0 | 0 |
| 13 | BRS | L10 | 22 1 same (4 or 5 or 6) same 7 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:56 | | 0 | 0 |
| 14 | BRS | L14 | 0 1 same (4 or 5 or 6) same 7 same 2 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:53 | | 0 | 0 |
| 15 | BRS | L15 | 0 1 same (4 or 5 or 6) same 2 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:53 | | 0 | 0 |
| 16 | BRS | L16 | 0 1 same (4 or 5 or 6) same 8 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:54 | | 0 | 0 |

| Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definitors |
|------|-----|------|--------------------------------|-------------------------------------|-------------------|----------|------------------|
| 17 | BRS | L17 | 1589 thyrotropin | USPAT; US- PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:55 | | 0 |
| 18 | BRS | L18 | 0 1 same 17 same (2 or 8) | USPAT; US- PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 11:55 | | 0 |
| 19 | BRS | L19 | 0 1 same (4 or 5 or 6) same 12 | USPAT; US- PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 12:01 | | 0 |
| 20 | BRS | L21 | 0 1 and 20 | USPAT; US- PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 12:02 | | 0 |
| 21 | BRS | L20 | 11 schwartz adj george.in. | USPAT; US- PGPUB; EPO; JPO; DERWENT | 2002/12/2 4 12:02 | | 0 |

FILE 'HOME' ENTERED AT 12:05:14 ON 24 DEC 2002

=> file medline caplus biosis embase scisearch agricola
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'MEDLINE' ENTERED AT 12:05:38 ON 24 DEC 2002

FILE 'CAPLUS' ENTERED AT 12:05:38 ON 24 DEC 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE 'SCISEARCH' ENTERED AT 12:05:38 ON 24 DEC 2002
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FILE 'AGRICOLA' ENTERED AT 12:05:38 ON 24 DEC 2002

=> s thrombopoietin
L1 9594 THROMBOPOIETIN

=> s thyroid regulatory agent
L2 1 THYROID REGULATORY AGENT

```
=> s thyroid (a) regulat?
L3      999 THYROID (A) REGULAT?

=> s (thyroid hormone) or levothroxine or liothyronine or thyglobulin or (dessicated thyroid)
L4      121354 (THYROID HORMONE) OR LEVOTHROXINE OR LIOTHYRONINE OR THYGLOBULIN
          OR (DESSICATED THYROID)
```

=> s 12 or 13 or 14
L5 121847 L2 OR L3 OR L4

=> s thyrotropin
L6 97151 THYROTROPIN

=> s platelet-derived growth factor
L7 54000 PLATELET-DERIVED GROWTH FACTOR

=> s demyelination
L8 28454 DEMYELINATION

=> s nerve axon myelin
L9 28 NERVE AXON MYELIN

=> s 11 (p) (15 or 16) (p) 17
L10 0 L1 (P) (L5 OR L6) (P) L7

=> s 11 (p) 17
L11 64 L1 (P) L7

=> s 111 (p) (18 or 19)
L12 0 L11 (P) (L8 OR L9)

=> s 17 (p) (18 or 19)
L13 61 L7 (P) (L8 OR

=> s l13 (p) (15 or 16)
L14 5 L13 (P) (L5 OR L6)

=> duplicate remove 114

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L14
L15 1 DUPLICATE REMOVE L14 (4 DUPLICATES REMOVED)

=> d 115 1 ibib abs

L15 ANSWER 1 OF 1 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2000194108 MEDLINE
DOCUMENT NUMBER: 20194108 PubMed ID: 10729915
TITLE: Why are growth factors important in oligodendrocyte physiology?.
AUTHOR: Dubois-Dalcq M; Murray K
CORPORATE SOURCE: Unite de Neurovirologie et Regeneration du Systeme Nerveux, Institut Pasteur, Paris, France.
SOURCE: PATHOLOGIE BIOLOGIE, (2000 Feb) 48 (1) 80-6. Ref: 58
Journal code: 0265365. ISSN: 0369-8114.
PUB. COUNTRY: France
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200004
ENTRY DATE: Entered STN: 20000413
Last Updated on STN: 20000413
Entered Medline: 20000407

AB Recent studies in chicken, rodents and transgenic mice have provided new insight on the nature of factors essential to oligodendrocyte development. Here we first review how sonic hedgehog (shh) graded signalling induces emergence of oligodendrocytes in the embryonic spinal cord from birds to man. We then discuss the way in which ***thyroid*** ***hormone*** successively signals different thyroid receptors to control fate determination, growth and differentiation in the oligodendrocyte lineage. ***platelet*** - ***derived*** ***growth*** ***factor*** (PDGF) is a potent regulator of oligodendrocyte progenitor (OP) migration and proliferation, while insulin-like growth factor 1 (IGF-1) acts both on neurons and myelin-forming cells to promote myelination. The balance between OP proliferation and differentiation appears to be controlled by different sets of growth factors locally synthesized in the central nervous system (CNS) as well as glutamate. In experimental models of multiple sclerosis (MS), the neuregulin isoform glial growth factor 2, IGF-1 and some neurotrophins can promote remyelination after an episode of inflammatory ***demyelination***. A future challenge is to determine how to induce multipotential neural precursors to generate migratory OP and enhance the remyelination process in the adult CNS.

=> d his

(FILE 'HOME' ENTERED AT 12:05:14 ON 24 DEC 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT 12:05:38 ON 24 DEC 2002

L1 9594 S THROMBOPOIETIN
L2 1 S THYROID REGULATORY AGENT
L3 999 S THYROID (A) REGULAT?
L4 121354 S (THYROID HORMONE) OR LEVOTHYROXINE OR LIOTHYRONINE OR THYROID
L5 121847 S L2 OR L3 OR L4
L6 97151 S THYROTROPIN
L7 54000 S PLATELET-DERIVED GROWTH FACTOR
L8 28454 S DEMYELINATION
L9 28 S NERVE AXON MYELIN
L10 0 S L1 (P) (L5 OR L6) (P) L7
L11 64 S L1 (P) L7
L12 0 S L11 (P) (L8 OR L9)
L13 61 S L7 (P) (L8 OR L9)
L14 5 S L13 (P) (L5 OR L6)
L15 1 DUPLICATE REMOVE L14 (4 DUPLICATES REMOVED)

=> log y

COST IN U.S. DOLLARS

| SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|
|---------------------|------------------|

FULL ESTIMATED COST

54.39

54.60

STN INTERNATIONAL LOGOFF AT 12:19:13 ON 24 DEC 2002